

OIPE

RAW SEQUENCE LISTING

DATE: 08/27/2001

PATENT APPLICATION: US/09/931,700

TIME: 13:02:59

Input Set : A:\4202us41.app

Output Set: N:\CRF3\08272001\I931700.raw

ENTERED

3 <110> APPLICANT: CUTTITTA, FRANK
 4 MARTINEZ, ALFREDO
 5 MILLER, MAE JEAN
 6 UNSWORTH, EDWARD J.
 7 HOOK, WILLIAM
 8 WALSH, THOMAS
 9 GREY, KAREN
 10 MACRI, CHARLES
 12 <120> TITLE OF INVENTION: Functional Role of Adrenomedullin (AM) and the
 13 Gene-Related Product (PAMP) in Human Pathology and
 14 Physiology
 16 <130> FILE REFERENCE: 2026-4202US4
 18 <140> CURRENT APPLICATION NUMBER: US/09/931,700
 19 <141> CURRENT FILING DATE: 2001-08-16
 21 <150> PRIOR APPLICATION NUMBER: 09/011,922
 22 <151> PRIOR FILING DATE: 1998-02-17
 24 <150> PRIOR APPLICATION NUMBER: PCT/US96/13286
 25 <151> PRIOR FILING DATE: 1996-08-16
 27 <150> PRIOR APPLICATION NUMBER: US/60/013,172
 28 <151> PRIOR FILING DATE: 1996-03-12
 30 <150> PRIOR APPLICATION NUMBER: US60/002,936
 31 <151> PRIOR FILING DATE: 1995-08-30
 33 <150> PRIOR APPLICATION NUMBER: US/60/002,514
 34 <151> PRIOR FILING DATE: 1995-08-18
 36 <160> NUMBER OF SEQ ID NOS: 17
 38 <170> SOFTWARE: PatentIn Ver. 2.1
 40 <210> SEQ ID NO: 1
 41 <211> LENGTH: 10
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Artificial Sequence ✓
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide, P070,
 47 YY-PreproAM (amino acids 34-41) ✓
 49 <400> SEQUENCE: 1
 50 Tyr Tyr Trp Asn Lys Trp Ala Leu Ser Arg
 51 1 5 10
 54 <210> SEQ ID NO: 2
 55 <211> LENGTH: 13
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Artificial Sequence ✓
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide,
 61 P071, YGG-PreproAM (amino acids 122-131) ✓
 63 <400> SEQUENCE: 2
 64 Tyr Gly Gly His Gln Ile Tyr Gln Phe Thr Asp Lys Asp
 65 1 5 10
 68 <210> SEQ ID NO: 3

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69 <211> LENGTH: 31
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence ✓
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide, P072,
75     PreproAM (amino acids 116-146) ✓
77 <400> SEQUENCE: 3
78 Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr Asp Lys Asp
79   1           5           10           15
81 Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser Pro Gln Gly Tyr
82           20           25           30
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence ✓
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
92     sense primer, AM, (nucleotides 94-114) ✓
94 <400> SEQUENCE: 4
95 aagaagtgga ataagtgggc t                               21
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 21
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence ✓
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
105     antisense primer, AM, (nucleotide 444-464) ✓
107 <400> SEQUENCE: 5
108 tggcttagaa gacaccagag t                               21
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 21
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence ✓
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
118     antisense probe, AM, (nucleotides 289-309) ✓
120 <400> SEQUENCE: 6
121 ctggaagttg ttcattgctct g                               21
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 20
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence ✓
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide ,
131     PAMP-20, Proadrenomedullin N-terminal 20 amino ✓
132     acids
134 <400> SEQUENCE: 7
135 Ala Arg Leu Asp Val Ala Ser Glu Phe Arg Lys Lys Trp Asn Lys Trp
136   1           5           10           15

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138 Ala Leu Ser Arg
139      20
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 21
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
149      sense primer, AM, (nucleotides 250-270)✓
151 <400> SEQUENCE: 8
152 aagaagtgga ataagtgggc t                               21
155 <210> SEQ ID NO: 9
156 <211> LENGTH: 21
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
162      antisense primer, AM, (nucleotides 640-660)✓
164 <400> SEQUENCE: 9
165 tggcttagaa gacaccagag t                               21
168 <210> SEQ ID NO: 10
169 <211> LENGTH: 21
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
175      Nested Antisense probe, AM, (nucleotides
176      541-561)
178 <400> SEQUENCE: 10
179 gacgttggtcc ttgtccttat c                               21
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 22
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
189      AM-R amplification sense primer (nucleotides✓
190      476-497)
192 <400> SEQUENCE: 11
193 agcgccacca gcaccgaata cg                               22
196 <210> SEQ ID NO: 12
197 <211> LENGTH: 24
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
203      AM-R amplification antisense primer (nucleotides✓
204      923-946)
206 <400> SEQUENCE: 12

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207 agaggatggg gttggcgaca cagt                24
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211 <211> LENGTH: 24
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
217     AM-R antisense probe (nucleotides 788-811) ✓
219 <400> SEQUENCE: 13
220 ggtagggcag ccagcagatg acaa                24
223 <210> SEQ ID NO: 14
224 <211> LENGTH: 31
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide,
230     Synthetic homolog of AM (P072), Structural amino ✓
231     acid sequence representing two-thirds of the
232     intact AM peptide
234 <400> SEQUENCE: 14
235 Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr Asp Lys Asp
236   1             5             10             15
238 Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser Pro Gln Gly Tyr
239   20             25             30
242 <210> SEQ ID NO: 15
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
249     Sense primer, AM, (nucleotides 250-270); ✓
250     Recognizes the most conserved regions of the AM
251     gene
253 <400> SEQUENCE: 15
254 aagaagtgga ataagtgggc t                21
257 <210> SEQ ID NO: 16
258 <211> LENGTH: 20
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid,
264     Antisense primer, AM, (nucleotides 523-542); ✓
265     Recognizes the most conserved regions of the AM
266     gene
268 <400> SEQUENCE: 16
269 tgtgaactgg tagatctggt                20
272 <210> SEQ ID NO: 17
273 <211> LENGTH: 21
274 <212> TYPE: DNA

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275 <213> ORGANISM: Artificial Sequence

277 <220> FEATURE:

278 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid

279 probe, AM, (nucleotides 430-450); Detects the AM ✓

280 gene via Southern Blot

282 <400> SEQUENCE: 17

283 tctggcggtgta gcgcttgact c

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/931,700

DATE: 08/27/2001

TIME: 13:03:00

Input Set : A:\4202us41.app

Output Set: N:\CRF3\08272001\I931700.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date